

**RoHS
Compliant**



Features

- Max. 20A switching capability
- High temperature load: 17A 277V AC at 105°C
- Available for single pin and double pins terminal
- Compliance to standard EN 60335-1
- UL Insulation system: F Class

Specification

Contact Data		
Contact Form		1 Form A, 1 Form B, 1 Form C
Contact Material		Ag Alloy
Contact Rating		1 Form A: 20A 125VAC 17A 277V AC 20A 277V AC TV-8 125V AC 1 Form C NO : 17A 277V AC NC:7A 277V AC
Contact Resistance		Max. 100mΩ (1A 24V DC)
Load	Max. Switching Voltage	400V AC/28V DC
	Max. Switching Current	20A(A), 17A(C)
	Max. Switching Power	4700VA
Life	Electrical	1 Form A: 100,000 operations 1 Form C: 50,000 operations
	Mechanical	10,000,000 operations
Coil Data		
Nominal Coil Power		360mW
General Data		
Insulation Resistance		Min. 1000MΩ 500V DC
Dielectric Strength	Between open contacts	1000V AC, 50/60Hz, 1 min
	Between coil and contacts	2500V AC, 50/60Hz, 1 min
Operate Time		Max. 10ms
Release Time		Max. 5ms
Operating Temperature		-40°C to +85°C (Single pin) -40°C to +105°C (Double pin)
Humidity		5 to 90%RH
Shock Resistanc	Endurance	1,000m/s ² (10g)
	Misoperation	100m/s ² (100g)
Vibration Resistance	Endurance	10 to 55Hz, 1.5mm double amplitude
	Misoperation	10 to 55Hz, 1.5mm double amplitude
Weight		Approximately 14g

Note: Data shown are of initial value

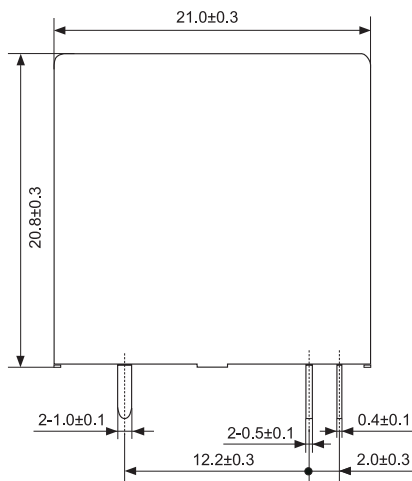
Newark.com/multicomp-pro
Farnell.com/multicomp-pro
sg.element14.com/b/multicomp-pro

Coil Data

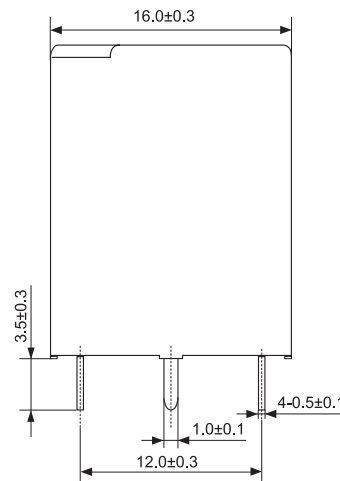
Model	Nominal Voltage V DC	Coil Resistance $\Omega \pm 10\%$	Operate Voltage $\leq V$ DC	Release Voltage $\geq V$ DC	Max. Allowable Voltage $\geq V$ DC	Coil Power mW
MPHRS4NH-S-DC5V-A1	5	70	3.75	0.5	6.5	360
MPHRS4NH-S-DC24V-A1	24	1600	18	2.4	31.2	
MPHRS4NH-S-DC5V-C1	5	70	3.75	0.5	6.5	
MPHRS4NH-S-DC24V-C1	24	1600	18	2.4	31.2	

Outline, Wiring Diagram, Mounting Hole Layout

Single pin version



Outline



Part Number Table

Description	Part Number
Power Relay, PCB Type, NO, 0.36W, 20 Amp, 5V DC	MPHRS4NH-S-DC5V-A1
Power Relay, PCB Type, NO, 0.36W, 20 Amp, 24V DC	MPHRS4NH-S-DC24V-A1
Power Relay, PCB Type, NO/NC, 0.36W, 20/10Amp, 5V DC	MPHRS4NH-S-DC5V-C1
Power Relay, PCB Type, NO/NC, 0.36W, 20/10Amp, 24V DC	MPHRS4NH-S-DC24V-C1

Dimensions : Millimetres

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